

Message Text

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PAGE 01 TOKYO 08551 120848Z
ACTION OES-07

INFO OCT-01 EA-12 ISO-00 EPA-04 AID-05 CEQ-01 CIAE-00
SOE-02 COME-00 DODE-00 EB-08 INR-10 IO-14 L-03
NSF-02 NSC-05 NSAE-00 PM-05 ICA-20 SS-15 SP-02
DOE-15 INT-05 PA-02 /138 W
-----079572 121450Z /53

R 120842Z MAY 78
FM AMEMBASSY TOKYO
TO SECSTATE WASHDC 7858

UNCLAS TOKYO 08551

FOR OES/ENP/EN

DEPT PASS TO EPA

E.O. 11652: N/A
TAGS: SENV, JA
SUBJECT: WASTE RECYCLING

1. ON MAY 8, 1978, THE AGENCY OF INDUSTRIAL SCIENCE AND TECHNOLOGY (AIST), MITI, ANNOUNCED THAT IT HAS COMPLETED THE MAIN PART OF AN INTEGRATED WASTE DISPOSAL AND RECYCLING DEMONSTRATION PLANT IN YOKOHAMA AND THAT TRIAL OPERATION WILL BEGIN NEXT AUTUMN. THE PLANT, NAMED "STARDUST '80" IN REFERENCE TO AIST'S SCHEDULE OF STARTING COMMERCIAL OPERATION IN 1980, IS THE OUTCOME OF A NATIONAL R&D PROJECT ON RESOURCE RECOVERY AND UTILIZATION TECHNOLOGY INITIATED IN 1973. ITS CONSTRUCTION, STARTED IN 1976, COST THE GOVERNMENT YEN 4.3 BILLION (DOLS 19 MILLION).

2. THE PART OF PLANT COMPLETED CONSISTS OF A WASTE SHREDDING AND SORTING SYSTEM AND A COMPOST PROCESSING SYSTEM. WHEN THE WHOLE PLANT IS COMPLETED NEXT APRIL WITH UNCLASSIFIED

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THE ADDITION OF OTHER SYSTEMS FOR PROCESSING WASTE PAPER INTO PULP AND PLASTICS INTO FUEL GAS, A FULL-SCALE ONE YEAR TEST OPERATION WILL BE STARTED.

3. ACCORDING TO AIST, THE PLANT CAN PROCESS 100 TONS OF WASTES INTO 28 TONS OF COMPOST, 25 TONS OF PULP, 3 TONS OF IRON AND 7,400 CUBIC METERS OF FUEL GAS IN EIGHT HOURS

OF OPERATION PER DAY. THE COLLECTED GARBAGE GOES THROUGH A SEMI-WET SHREDDING AND SORTING SYSTEM AND IS CLASSIFIED INTO THREE GROUPS: ORGANIC MATTER; WASTE PAPER; AND PLASTICS AND METALS. ORGANIC MATTER IS PROCESSED BY FERMENTATION INTO COMPOST WITH CONSTANT AERATION AND PERIODIC MECHANICAL TURNOVER. WASTE PAPER IS PROCESSED INTO REFINED PULP AFTER IMPURITIES ARE REMOVED, STERILIZED AND BLEACHED. THE THIRD GROUP IS TURNED INTO FUEL GASES AS IT GOES THROUGH A PYROLYSIS GASIFICATION SUBSYSTEM. THE PLANT IS HOUSED IN AN AIR-TIGHT STRUCTURE IN ORDER TO MEET ALL ENVIRONMENTAL REQUIREMENTS. RESEARCH AND DEVELOPMENT WILL BE CONTINUED TO REDUCE COST OF CONSTRUCTION, WHICH IS STILL CONSIDERABLY HIGH, THROUGH FURTHER TECHNICAL INNOVATIONS AND SALES OF RECYCLED RESOURCES. MANSFIELD

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NNN

Message Attributes

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Capture Date: 01 jan 1994
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Draft Date: 12 may 1978
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Decaption Note:
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Disposition Approved on Date:
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Disposition Event:
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Disposition Reason:
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Review Withdrawn Fields: n/a
SAS ID: 2701079
Secure: OPEN
Status: NATIVE
Subject: WASTE RECYCLING
TAGS: SENV, JA
To: STATE
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